

NARROW BRIDGE MARKINGS

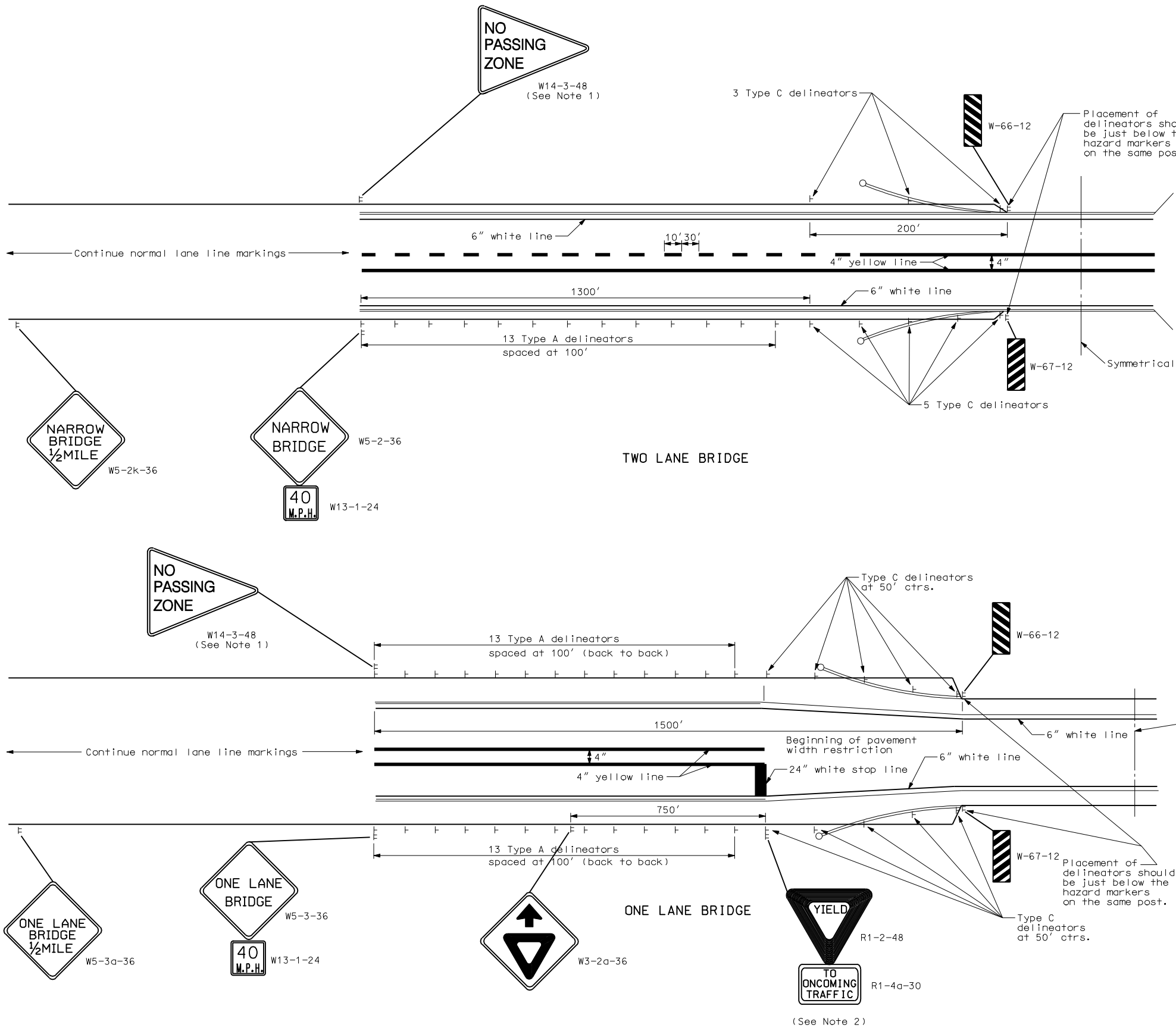
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Notes:

- On a curved roadway, delineation is required on both sides of the roadway. If already in a no passing zone, pennant sign (W14-3-48) should be placed at the beginning of zone.
- The direction selected for the yield condition should be for traffic that would have sufficient sight distance so that if the motorist at a stop at the yield sign would have sufficient time to clear the narrowed section of the roadway. This should be determined using the posted speed limit or the 85th percentile speed from a recent speed study.
- If the length of the bridge is greater than 250 feet, delineation should be provided on the bridge rail.
- County roads: Counties may adjust placement height of object markers based on an engineering review. On low volume county roads, the height of object markers within 8' of the shoulder of the roadway may be as low as 1' measured from the surface of the nearest traffic lane to the bottom of the marker.
- Object markers are not required if approach guardrail is installed with reflectors and end treatment with delineation.
- Bridges with widths (clear width between curbs or rails, whichever is the lesser) equal to or less than values shown are classed as narrow bridges. Regardless of the classification or other conditions, any bridge which has a width less than the approach traveled way should definitely be considered as a narrow bridge. Bridges may be categorized as "One-Lane" or "Two-Lane". Generally, a One-lane bridge is considered to be any bridge having a width of less than 18 feet.

NARROW BRIDGE GUIDE

TYPE	ADT	COMM. VEH.	WIDTH
	veh. per day	percent	feet
Minor Road	0-250	0-10	20
		over 10	22
	251-750	0-10	22
		over 10	24
Major Road	over 750	0-10	26
		over 10	28
	750 or less	0-10	24
		over 10	26
	over 750	0-10	28
		over 10	30



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
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REVISIONS	
DATE	CHANGE
05-01-92	General revisions
01-26-95	General revisions
02-03-95	General revisions
06-20-03	Layout revisions
12-01-04	PE Stamp added
02-18-05	Added notes 4 & 5

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